

# LAND RECLAMATION COMMISSION

STATE OF MISSOURI

P.O. BOX 176

JEFFERSON CITY, MISSOURI 65102

573-751-4041

## Permit To Engage in Surface Mining

LAND RECLAMATION COMMISSION

### ISSUES TO

### RUBLE ROCK & LIME COMPANY

Pursuant to "The Land Reclamation Act," RSMo, 2001, and on conformity with the statements

In the application, a permit is hereby granted to engage in surface mining of

limestone in the state of Missouri. The extent of the

Proposed mining operation(s) will be on 93 acres, more or less.

The locations of the operation(s) under this permit is/are as follows: Renewal

County	Section	Township	Range	Acres Renewed	Acres New	Total Acres	Site/Stream Name	Site Number
Wayne	08	29N	05E	93	0	93	Cobb Quarry Site #2	1444

This permit may be suspended or revoked upon violation of any or all of the conditions set

forth in "The Land Reclamation Act," RSMo, 2001, or in such rules and regulations

as are promulgated pursuant thereto by the Land Reclamation Commission.


IN WITNESS WHEREOF I have hereunto set my hand this 14th day of May 2004

Permit No. 0549T2

Effective Date 05/14/2004

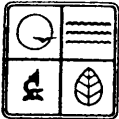
Expiration Date 05/07/2005

MO 780-1122 (6-95)

  
DIRECTOR OF STAFF  
Land Reclamation Commission

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APR 8 2004

P.O. BOX 176  
JEFFERSON CITY, MO 65102-0176

MISSOURI DEPARTMENT OF NATURAL RESOURCES  
LAND RECLAMATION COMMISSION  
**PERMIT RENEWAL FOR INDUSTRIAL MINERAL MINES**

MISSOURI LAND  
RECLAMATION COMMISSIONNAME OF CORPORATION, COMPANY, PARTNERSHIP OR INDIVIDUAL  
**RUBLE ROCK & LIME, INC.**

APRIL 5, 2004

ADDRESS  
**County Road 312 P.O. Box 106**CITY  
**Patterson**STATE  
**MO**ZIP CODE  
**63956**CONTACT PERSON  
**James C. Ruble or Judy Hinkle**TELEPHONE NUMBER  
**573-856-4363****FEES: COMPLETE SECTION I OR SECTION II****SECTION I. Fees: Open pit operators and those mining more than 5,000 tons of sand and/or gravel:****1. To compute the site fee complete the information below:**

SITE NAME OR NUMBER (add a separate sheet for additional sites)	Mark each month that the site will be operated during the permit year	For sites operated less than six months per permit year pay \$150 For sites operated six months or more per permit year pay \$300
1. <b>Ruble Rock &amp; Lime, Inc.</b>	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$ <b>300.00</b>
2.	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
3.	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
4.	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
5.	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
6.	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
7.	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
8.	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
9.	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
10.	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
TOTAL SITE FEE		\$

2. Acreage Fee \$5 X **93** number of acres bonded ..... \$ **465.00**

3. Annual Permit Fee ..... \$ 500

4. Total Fee (Add totals from 1, 2 and 3) ..... \$ **1,265.00**

NOTE: If Total Fee exceeds \$2,500.00 then pay only ..... \$ 2,500

**SECTION II. FEES: Sand or gravel operators mining less than 5,000 tons per year:**

1. Annual Permit Fee ..... \$ 300

SIGNATURE OF APPLICANT  
*Judy Hinkle*TITLE  
**Corp. Secretary**DATE  
**04/05/04**

Appeared before me this **5th** day of **April**, 20**04**, **Judy Hinkle**  
to me personally known, who executed the above as their free acts and deeds.

NOTARY PUBLIC EMBOSSER SEAL	STATE OF <b>Missouri</b>	COUNTY (OR CITY OF ST. LOUIS) <b>IRON</b>
	SUBSCRIBED AND SWORN BEFORE ME, THIS <b>5th</b> DAY OF <b>April</b> YEAR <b>2004</b>	
	NOTARY PUBLIC SIGNATURE <i>Linda P. Bollinger</i>	MY COMMISSION EXPIRES <b>June 15, 06</b>
	NOTARY PUBLIC NAME (TYPED OR PRINTED) <b>Linda P. Bollinger</b>	

**LINDA P BOLLINGER**  
 Notary Public - Notary Seal  
 STATE OF MISSOURI  
 IRON COUNTY  
 MY COMMISSION EXP. JUNE 15, 2006

FOR DEPARTMENT USE ONLY APPROVED BY <i>[Signature]</i>	DATE APPROVED <b>4-12-04</b>	PERMIT NUMBER <b>0549 T2</b>	EXPIRATION DATE <b>5-7-05</b>
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MISSOURI DEPARTMENT OF NATURAL RESOURCES  
LAND RECLAMATION COMMISSION  
**SITE INFORMATION FORM**

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To be completed for each separate area of disturbance associated with mining operations.			MISSOURI LAND RECLAMATION COMMISSION
SITE NAME OR NUMBER <b>Ruble Rock &amp; Lime Company</b>		PERMIT NUMBER <b>0549</b>	
COMPANY NAME <b>Ruble Rock &amp; Lime Company</b>			
COUNTY <b>Wayne</b>	1/4 SECTION <b>SE &amp; SW</b>	SECTION <b>8</b>	
TOWNSHIP <b>29N</b>	RANGE <b>5E</b>	ACRES <b>184</b>	
RIVER OR STREAM NAME (FOR IN-STREAM ACRES) <b>NA</b>			
MINERAL COMMODITY <b>Limestone</b>		ESTIMATED TONS/YEAR (FOR GRAVEL SITES) <b>NA</b>	

NAME OF LANDOWNER (ATTACH LIST IF MORE THAN ONE) <b>See attached.</b>		
ADDRESS		
CITY	STATE	ZIP CODE
SOURCE OF RIGHT TO MINE (CHECK ONE): <input type="checkbox"/> MINERAL DEED <input type="checkbox"/> WARRANTY DEED <input type="checkbox"/> OTHER (DESCRIBE):		DATE OF AGREEMENT <input type="checkbox"/> LEASE <input type="checkbox"/> VERBAL AGREEMENT

MINERAL RIGHTS OWNER (ATTACH LIST IF MORE THAN ONE) <b>Same as landowner.</b>		
ADDRESS		
CITY	STATE	ZIP CODE
SOURCE OF RIGHT TO MINE (CHECK ONE): <input type="checkbox"/> MINERAL DEED <input type="checkbox"/> WARRANTY DEED <input type="checkbox"/> OTHER (DESCRIBE):		DATE OF AGREEMENT <input type="checkbox"/> LEASE <input type="checkbox"/> VERBAL AGREEMENT
<b>NOTE: Each site must be shown on a map and be included in a public notice and an approved mine plan.</b>		

ATTACHMENT TO SITE INFORMATION FORM

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MISSOURI LAND  
RECLAMATION COMMISSION

Landowners:

80 acres: Source of Right to Mine: Lease, dated 5/1/2000

L. C. & Jane Miles  
RR 1 Z 11  
Patterson, MO 63956

104 acres: Source of Right to Mine: Lease, dated 3/1/2000

½ owned by: Margaret Jane Cobb  
Rt. 1, Box 28  
Patterson, MO 63956

½ owned by the following:

Anna Brown  
3451 Keokuk Street  
St. Louis, MO 63118

Virgil Larry Cresswell, Jr.  
3614 Hughes Road  
Clover, SC 29710

John Michael Cresswell  
125 Jennings Mill Pkwy., Apt. 6101  
Athens, GA 30606

Lori Ann Cresswell  
14 Winchester Drive  
Kingstone, GA 30145



MISSOURI DEPARTMENT OF NATURAL RESOURCES  
LAND RECLAMATION COMMISSION  
**MINE PLAN**

OCT 23 1990

MISSOURI LAND  
RECLAMATION COMMISSION

P.O. BOX 176  
JEFFERSON CITY, MO 65102

TYPE OF PLAN (CHECK ONE):

☐ SHORT TERM, FOR ONE PERMIT YEAR

COMPANY NAME Ruble Rock & Lime Company

☒ LONG TERM, FOR PERIOD THROUGH DATE: May 6, 2050

DESCRIPTION OF SITE PRIOR TO LAND RECLAMATION COMMISSION PERMITTING (BY APPLICANT OR PRIOR OPERATOR), INCLUDING SOIL, VEGETATION AND TOPOGRAPHY.

The quarry has been active for approximately 50 years. During this time, much of the permitted area has been stripped in a haphazard manner, so it is difficult to determine what the original topography was. However, the surrounding topography, including the Miles property being added to the mine plan area, is generally hilly farmland, with approximately 6" to 12" of topsoil present. Much of the topsoil from the existing permitted area has been stockpiled next to the permit area (and is now being added to the permit area) and has revegetated on its own over the years. Since 1991, the permitted area in the northwest corner of the quarry has been quarried by drilling and blasting. The other areas have been cleaned up, loose limestone removed and crushed, and the areas prepared for drilling and blasting if necessary. This mine plan covers 184 acres.

OPERATION PLAN - 10 CSR 40-10.020(2)(D)1.

A. TOPSOIL

AVERAGE DEPTH OF TOPSOIL, PRIOR TO LAND RECLAMATION COMMISSION PERMITTING

6-12 (up to 120 when previously stockpiled)  
INCHES

IS TOPSOIL TO BE SOLD OR DISCARDED OFFSITE?

☐ YES OR ☒ NO

DESCRIBE METHODS AND EQUIPMENT USED FOR TOPSOIL REMOVAL

Removal will be done with a front end loader and bulldozer. Topsoil will be stockpiled in the quarry, adjacent to the quarried area.

DESCRIBE METHODS AND EQUIPMENT USED FOR TOPSOIL STORAGE AND PROTECTION

Topsoil will be placed in a low-angled pile to prevent erosion and will be graded in accordance with 10 CSR 40-10.050. The stockpiles will be reseeded to help keep them from eroding using the seeded species listed on page 3 of the mine plan.

**B. SPOIL**

DESCRIBE METHODS AND LOCATION OF SPOIL PLACEMENT AND DISPOSAL

All overburden removed from the pit will be placed in stockpiles adjacent to the quarried area. The grading and seeding will be done to meet the performance requirements of 10 CSR 40-10.050. Grading and seeding will be done continuously as the stockpiles are being built.

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**C. ACID MATERIALS**

DESCRIBE METHODS AND EQUIPMENT USED FOR HANDLING ACID MATERIALS (IF NONE IS ANTICIPATED, WRITE "NONE" BELOW)

None

**D. PIT INFORMATION (GIVE ALL DIMENSIONS IN FEET)**

DESCRIBE LOCATION AND ORIENTATION OF PIT, IF NOT CLEAR ON SITE MAPS

See map.

YES NO

☐☒

Will any excavation be at or within fifty feet (50') of the right-of-way of any public road?

☐☒

Will any highwall consisting of unconsolidated materials be left within fifty feet of the right-of-way of any public road? (NOTE: For unconsolidated materials left in place, a slope of no more than forty degrees may start near the right of way, and in no case may the excavation be closer to the right of way than fifty feet or twenty-five feet plus one and one-half (1-½) times the depth of unconsolidated material, whichever is greater, unless a variance is granted by the Commission.)

☐☒

Will any excavation start at or within fifty feet (50') of any property line?  
(NOTE: If the answer is "yes", a safety barrier may be needed.)

RECLAMATION PLAN - 10 CSR 40-10.020(2)(D)2.

A. REVEGETATION (Attach additional sheets, if needed)

REVEGETATION MIX #1	PURPOSE OR LAND USE	B. SEEDING OR PLANTING TIME
#1	Pasture	Spring (or first optimal seeding window)

DESCRIBE METHODS AND EQUIPMENT TO BE USED FOR SEEDING OR PLANTING

Seeding will be done with broadcasting equipment, as topography allows, or by hand where necessary.

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Lime and fertilizer will be applied according to recommendations made, based on an analysis of soil texture and nutrients. Mulch will be applied to all slopes exceeding 5:1.

SEEDED SPECIES	POUNDS/ACRE	TREE OR SHRUB SPECIES	STEMS/ACRE
Fescue	15 lbs/acre		
Alfalfa	8 lbs/acre		
Korean Lespedeza	6 lbs/acre		
Orchard grass	10 lbs/acre		

REVEGETATION MIX #2	PURPOSE OR LAND USE	B. SEEDING OR PLANTING TIME
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DESCRIBE METHODS AND EQUIPMENT TO BE USED FOR SEEDING OR PLANTING

Lime and fertilizer will be applied according to recommendations made, based on an analysis of soil texture and nutrients. Mulch will be applied to all slopes exceeding 5:1.

SEEDED SPECIES	POUNDS/ACRE	TREE OR SHRUB SPECIES	STEMS/ACRE

ATTACH ADDITIONAL SHEETS FOR ADDITIONAL SEED MIXES.

**B. GRADING****DESCRIBE PROPOSED RECLAIMED TOPOGRAPHY, INCLUDING SLOPES**

The area will be reclaimed to become an agricultural site. Reclaimed areas will be graded to a slope traversible by farm equipment.

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MISSOURI LAND  
RECLAMATION COMMISSION**C. DESCRIBE THE GENERAL SEQUENCE AND TIMING OF THE FOLLOWING ACTIVITIES****GRADING**

Spoil material will be replaced as soon as practical after quarrying ends. Final grading will be done within one year of spoil replacement and will be completed in accordance with 10 CSR 40-10.050(10)(A).

**REPLACEMENT OF TOPSOIL**

Topsoil replacement will be completed within the time schedule stated in 10 CSR 40-10.050(10)(A).

**REVEGETATION**

Revegetation will be completed during the first optimal seeding window following topsoil replacement in accordance with 10 CSR 40-10.050(10)(B).

**AVERAGE DEPTH OF REPLACED TOPSOIL (INCHES)**

At least 12" unconsolidated material (6" topsoil + 6" "B" soil, for a total depth of 12")

**D. USE OF LAND WHEN RECLAIMED**

Estimate acreage of each land use below, after reclamation

**ESTIMATED ACRES:**

Wildlife (forest or other habitat with livestock excluded)

Agricultural (pasture, cropland, and horticultural)

184

Development (residential, industrial, and recreational)

Water impoundments (for wildlife, agricultural, or development)



By my signature, I attest to the following:

1. All statements made on this Mine Plan Form are correct, complete, and true, to the best of my knowledge.
2. I or the company I am authorized to represent intend(s) to mine in accordance with this Mine Plan Form, and in accordance with the Missouri Land Reclamation Act, Sections 444.760 through 444.789, RSMo and all rules, regulations, orders, decisions and permits of the Missouri Land Reclamation Commission pertaining to my company's surface mining operations.
3. I have obtained the approval of all landowner's for all proposed post-reclamation land uses.
4. I have a valid agreement with all landowners which gives me the right to grant access to the Director of the Missouri Land Reclamation Commission and his authorized representatives, and I grant such access, and further where I have no such right, I have attached signed affidavits from the landowners, granting such access.

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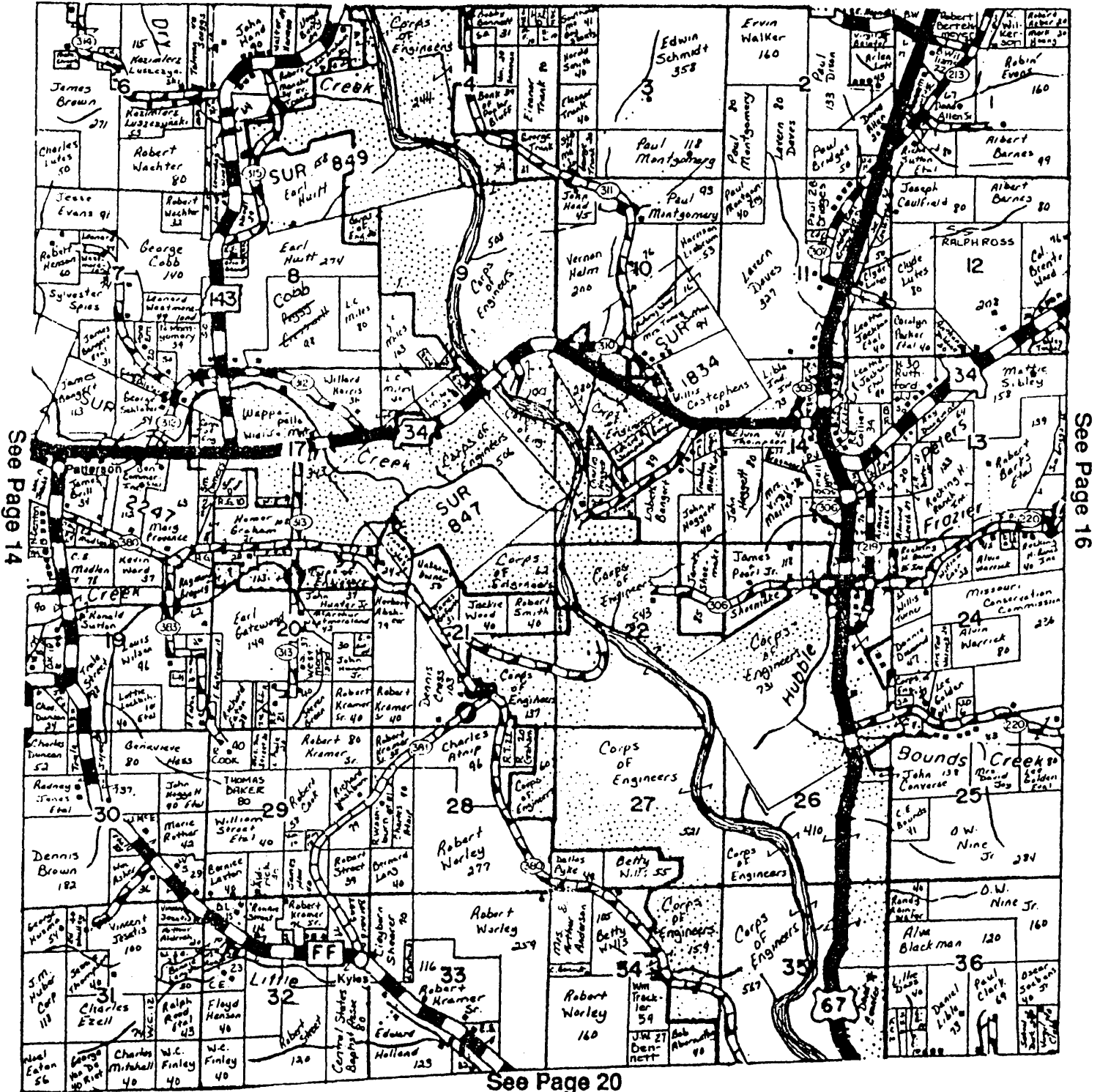
MISSOURI LAND  
RECLAMATION COMMISSION

SIGNATURE OF APPLICANT <i>James C. Ruble</i>		TITLE <i>President</i>	DATE <i>10-10-00</i>
NOTARY PUBLIC EMBOSSEER SEAL	STATE <i>Missouri</i>	COUNTY (OR CITY OF ST. LOUIS) <i>Iron</i>	
	SUBSCRIBED AND SWORN BEFORE ME, THIS <i>10th</i> DAY OF <i>October</i> <i>2000</i>		USE RUBBER STAMP IN CLEAR AREA BELOW <div style="border: 2px solid black; padding: 5px; text-align: center;">JUDY HINKLE Notary Public - Notary Seal State of Missouri Iron County My Commission Expires Jun 24, 2001</div>
	NOTARY PUBLIC SIGNATURE <i>Judy Hinkle</i>	MY COMMISSION EXPIRES <i>6-24-01</i>	
	NOTARY PUBLIC NAME (TYPED OR PRINTED) <i>Judy Hinkle</i>		
APPROVED BY (DIRECTOR'S REPRESENTATIVE) <i>William S. [Signature]</i>		DATE APPROVED <i>11-13-00</i>	PERMIT NUMBER <i>0549</i>

# TOWNSHIP 29 RANGE 5

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RECLAMATION COMMISSION

See Page 10



Ruble Rock and Lime Co.

Wayne County Sec. 8, T29N, R5E

North

Scale:  
1" = 500'

LOCATOR MAP  
Ruble Rock  
& Lime Co.  
Part of SE $\frac{1}{4}$   
& SW $\frac{1}{4}$ , S8,  
T29N, R5E,  
Wayne County

Map prepared  
by Curtis  
Heider, EEC,  
8/17/00

Bonded area

Bonded area

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Mine plan area

Section 8  
boundary

Section 17  
boundary

← Junction with  
Hwy. 143 -  
 $\frac{1}{4}$  mile west

312

Willard  
Harris

36 OFF

Uappa-  
petto  
Jidlife mat

← Highway 34 →

North

Scale:  
1" = 500'

DETAIL MAP  
Ruble Rock  
& Lime Co.  
Part of SE $\frac{1}{4}$   
& SW $\frac{1}{4}$ , S8,  
T29N, R5E,  
Wayne County

Map Prepared  
by Curtis  
Heider, EEC,  
8/17/00

Property owners: Margaret  
Jane Cobb, Anna Brown, Virgil  
Larry Cresswell, Jr., John  
Michael Cress-  
well, & Lori  
Ann Cresswell  
(104 acres)

Property owner: L. C. &  
Jane Miles (80 acres)

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KEY

Mine Plan area

Existing bonded area 73<sup>AC</sup>  
(Mined prior to 8/28/1990)

Expansion bonded area 20<sup>AC</sup>

Post-mining land use: agricultural

312

Willard  
Harris

36 OFF

Nappa-  
pello  
Jidlife mat